

What is claimed is:

- 1 1. A lock device comprising: a lock body with a first end and a second end;
2 a. said first end having:
3 i. an internal chamber capable of receiving a king pin;
4 b. said second end having:
5 i. a second end perimeter wall;
6 ii. an internal aperture capable of receiving a locking
7 mechanism;
8 iii. a lock bar that is moveable with respect to the lock body;
9 and
10 iv. a retaining bar that is immobile with respect to the lock body,
11 and having a hole;
12 wherein, the lock bar is moveable to engage and disengage the king pin
13 sitting in the internal chamber and the hole in the retaining bar engages with
14 the locking mechanism to hold the lock bar against the king pin, such that
15 engaging the locking mechanism in its locked position prevents access to the
16 king pin.
- 1 2. The lock device as in claim 1 having a key insert window in said second
2 end perimeter wall.
- 1 3. The lock device as in claim 1 wherein the lock bar that is moveable has a
2 concave edge proximal to the internal chamber of the first end to fit into an
3 annular groove of the king pin.
- 1 4. The lock device as in claim 1 wherein the lock bar has an edge proximal to
2 the internal chamber, the edge having a longer portion and a shorter
3 portion, such that the longer portion fits into an annular groove of the king
4 pin, while the shorter portion fits onto a lower annular surface of the king
5 pin.

- 1 5. The lock device as in claim 1 wherein the lock bar is made of cast iron,
2 aluminum, or cast alloys.
- 1 6. The lock device as in claim 1 wherein the retaining bar is made of cast
2 iron, aluminum, or cast alloys
- 1 7. The lock device as in claim 1 wherein the lock body is made of cast iron,
2 aluminum, or cast alloys.
- 1 8. The lock device as in claim 1 wherein the second end of the lock body
2 engulfs a conventional round puck lock, such that upon locking said
3 conventional round puck lock, said conventional round puck lock engages
4 the retaining bar and holds the lock bar against the king pin in its engaged
5 position.
- 1 9. The lock device as in claim 1 having a rod or rod-like structure that
2 protrudes through a slot in the lock body, said rod being secured to the
3 lock bar and sliding with respect to the lock body.
- 1 10. The lock device as in claim 1 having a setscrew that protrudes through a
2 slot in the lock body, said setscrew being screwed into a threaded
3 setscrew hole in the lock bar, and sliding with respect to the lock body.
- 1 11. The lock device as in claim 10 wherein the setscrew has a head having a
2 larger diameter than a width of the slot in the lock body, and the threaded
3 setscrew hole in the lock bar is deep enough to allow the setscrew to be
4 screwed down onto the lock body and secure the lock bar in a desired
5 position along its path of movement defined by the slot in the lock body.
- 1 12. The lock device as in claim 1 having a bright-colored member attached

2 thereto to warn that the lock is in place on the king pin.

1 13. The lock device as in claim 11 having a bright-colored member attached to
2 the head of the setscrew to warn that the lock is in place on the king pin.

1 14. The lock device as in claim 1 wherein the first end of the lock body has
2 grooves on opposite sides of its outer surface for gripping the lock body.

1 15. A lock device comprising: a lock body with a first end and a second end;

2 a. said first end having:

3 i. an internal circular chamber capable of receiving a king pin,
4 including an inner flange to selectively engage an annular
5 groove of the king pin;

6 b. said second end having:

7 i. a perimeter wall;

8 ii. an internal aperture capable of receiving a lock or locking
9 mechanism;

10 iii. a lock bar that is moveable with respect to the lock body;
11 and

12 iv. a retaining bar that is immobile with respect to the lock
13 body, and having a hole;

14 wherein, the lock bar is moveable to engage and disengage the king pin
15 sitting in the internal circular chamber in cooperation with the inner flange
16 to selectively engage the annular groove of the king pin, and the hole in
17 the retaining bar engages with the lock or locking mechanism whereby the
18 lock or locking mechanism holds the lock bar against the king pin in its
19 engaged position, preventing access to the king pin.

1 16. The lock device as in claim 15 having a key insert window in said
2 perimeter wall.

1 17. The lock device as in claim 15 wherein the lock bar that is moveable has a
2 concave edge proximal to the internal chamber to fit into an annular
3 groove of the king pin.

1 18. The lock device as in claim 15 wherein the lock bar has an edge proximal
2 to the internal chamber, said edge having a longer portion and a shorter
3 portion such that the longer portion fits into the annular groove of the king
4 pin, while the shorter portion fits onto a lower annular surface of the king
5 pin.

1 19. The lock device as in claim 15 wherein the lock bar is made of cast iron,
2 aluminum, or cast alloys.

1 20. The lock device as in claim 15 wherein the retaining bar is made of cast
2 iron, aluminum, or cast alloys.

1 21. The lock device as in claim 15 wherein the lock body is made of cast iron,
2 aluminum, or cast alloys.

1 22. The lock device as in claim 15 wherein the second end of the lock body
2 engulfs a conventional round puck lock, such that upon locking said
3 conventional round puck lock, said conventional round puck lock engages
4 the retaining bar and holds the lock bar against the king pin in its engaged
5 position.

1 23. The lock device as in claim 15 having a rod or rod-like structure that
2 protrudes through a slot in the lock body, said rod being secured to the
3 lock bar and sliding with respect to the lock body.

1 24. The lock device as in claim 15 having a setscrew that protrudes through a
2 slot in the lock body, said setscrew being screwed into a threaded

3 setscrew hole in the lock bar, and sliding with respect to the lock body.

1 25. The lock device as in claim 15 having a bright-colored member attached
2 thereto to warn that the lock is in place on the king pin.

1 26. The lock device as in claim 15 wherein the first end of the lock body has
2 grooves on opposite sides of its outer surface for gripping the lock body.

1 27. The lock device as in claim 24 wherein the setscrew has a head having
2 larger diameter than a width of the slot in the lock body, and the threaded
3 setscrew hole in the lock bar is deep enough to allow the setscrew to be
4 screwed down onto the lock body to secure the lock bar in a desired
5 position along its path of movement.

1 28. The lock device as in claim 27 having a bright-colored member attached to
2 the head of the setscrew to warn that the lock is in place on the king pin.